

The diagram illustrates the components and installation of a steam trap. At the top left, a 'STEAM SUPPLY' line enters a steam trap. To the right, a 'TO DA STEAM CONNECTION' line exits. Below the trap, a 'STEAM INLET PIP' is labeled with 'XIC NPT' and 'W/NOISE SUPPRESSION'. To the right of the trap, a 'STEAM OUT-LET PIP' is labeled with 'XIC PIPE' and 'W/NOISE SUPPRESSION'. A 'RELIEF VALVE' is shown on the right side of the trap. Below the trap, a '3-WAY BY-PASS W/STRAINER' is shown. To the right of the trap, a 'PUMP PRES. GAGE DISCHARGE' is shown. Below the trap, an 'OVERFLOW TRAP' is shown. To the right of the trap, a 'TRAYS' section is shown, labeled '(CHECK SPID SHEET FOR SHANTING)'. The diagram also includes a 'STEAM SECTION PIPE' and a 'WATER IN-LET' section. A 'STEAM INLET PIP' is labeled with 'XIC NPT' and 'W/NOISE SUPPRESSION'. A 'STEAM OUT-LET PIP' is labeled with 'XIC PIPE' and 'W/NOISE SUPPRESSION'. A 'RELIEF VALVE' is shown on the right side of the trap. Below the trap, a '3-WAY BY-PASS W/STRAINER' is shown. To the right of the trap, a 'PUMP PRES. GAGE DISCHARGE' is shown. Below the trap, an 'OVERFLOW TRAP' is shown. To the right of the trap, a 'TRAYS' section is shown, labeled '(CHECK SPID SHEET FOR SHANTING)'. The diagram also includes a 'STEAM SECTION PIPE' and a 'WATER IN-LET' section.

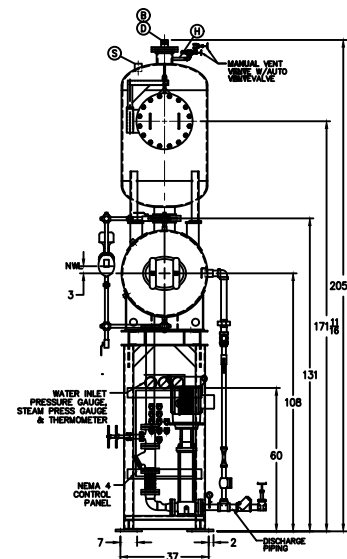
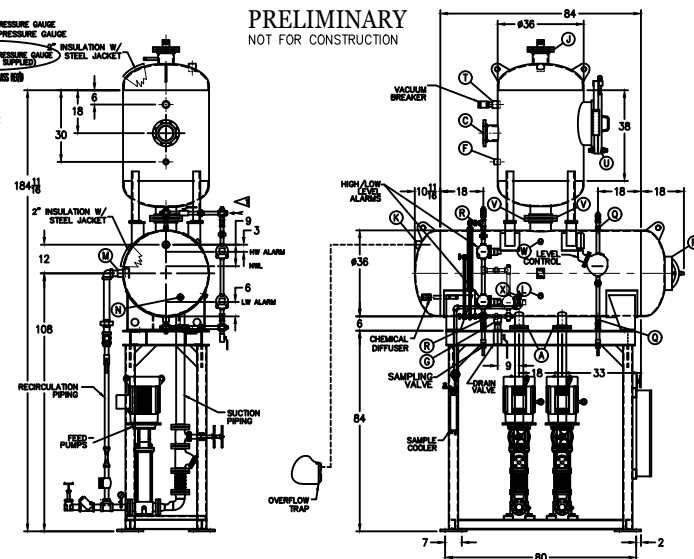
(D) LOW TEMP. RETURN  
( $<180^{\circ}\text{F}$ )


(F) HIGH TEMP. RETURN  
( $>180^{\circ}\text{F}$ )

\* STAND HEIGHT SUBJECT TO PUMP NPSH REQUIREMENTS  
ALL COMPONENTS CONTINGENT UPON FINAL ENGINEERING.  
PANEL SIZE MAY VARY DEPENDING ON JOB REQUIREMENTS  
TRAYS TO BE SHIPPED LOOSE AND INSTALLED IN THE FIELD.

A.	(2) PUMP SUCTION	3 F.L.C.
B.	(1) WATER	2 1/2 IN.
C.	STEAM INLET	6 F.L.C.
D.	LOW TEMP. RETURN	2 1/2 IN.
E.	HIGH TEMP RETURN	IN.
F.	(1) MTD TEMP RETURN	1 1/4 IN.
G.	(1) DRAIN	2 IN.
H.	MANUAL VENT	3/4 IN.
J.	VENT CONDENSOR	6 F.L.C.
K.	(1) OVERFLOW	2 IN.
L.	(1) THERMOMETER	1 IN.
M.	(1) RECIRCULATION	2 IN.
N.	(1) CHEMICAL FEED	1 1/2 IN.
P.	MANWAY	12 X 16 IN.
Q.	(2) LEVEL CONTROLS	1 IN.
R.	(2) LEVEL ALARMS	1 IN.
S.	(1) RELIEF VALVE	2 IN.
U.	(1) VACUUM BREAKER	2 IN.
T.	(1) TRAY BOX ACCESS	18 F.L.C.
V.	(2) DOWNCOMER	8 F.L.C.
W.	(1) AUXILIARY CONN.	8 F.L.C.
X.	(1) SAMPLE COOLER	1 IN.

CONNECTIONS: 1/2 UNLESS NOTED, FLANGES 1/2 UNLESS NOTED

PRELIMINARY  
NOT FOR CONSTRUCTION

RATING & CAPACITIES		LTR.	DATE	REVISONS	BY	THIS DRAWING IS THE PROPERTY OF SUPERIOR BOILER AND SHALL NOT BE REPRODUCED IN PART OR IN WHOLE, AND NONE OF ITS INFORMATION SHALL BE RELEASED WITHOUT PERMISSION OR TO THE DETRIMENT OF THE OWNER, IT MUST BE RETURNED UPON REQUEST.	
DA TYPE	TRAY	A	$\times$	DESCRIPTION	$\times$	SCALE	SB
CAPACITY	18,000 LBS./HR.						
DA SECTION CAPACITY	360 GALS.						
DA STORAGE CAPACITY	10 MINUTES MIN.						SB
DESIGN PRESSURE	50 PSIG. SITEM						
DESIGN TEMP.	400° F.						
DEAERATION	.005 CC/LITER					DRAWN BY:	CHECKED BY:
OPERATING PRESSURE	5 PSIG					XX	
DRY WEIGHT.	7,775 LBS.						
OPERATING WEIGHT.	16,700 LBS.						
FLOODED WEIGHT.	18,325 LBS.						
THE ABOVE WEIGHTS DO NOT INCLUDE PUMPS, TRIM OR CONTROL PANEL							
SHIPPING WEIGHT							
TANK (EMPTY)	HORIZ. 3,613 / VERT. 2,631 LBS.						
STAND/PUMPS	1,530 / LBS.						
NOTES				DRAWING NAME			
1. ALL CONTROLS MOUNTED AS PER SPECIFICATION SHEET.				DEAERATOR, TRAY			
2. SPECIFICATION SHEET TAKES PRIORITY OVER DRAWING.				MODEL NO: TC018D155-125			
3. ALL DIMENSIONS ARE $\frac{1}{4}"$ UNLESS OTHERWISE NOTED.				SIZE: 360 GALLONS			
4. DA TANK DESIGN CODE ISSE SECTION 10 UN							
5. DEAERATE ALL LOADS FROM 2000 TO 600 OF RATED OUTLET CAPACITY							
6. ELIMINATE TITRATABLE FREE CARBON DIOXIDE TO 0							
7. CORROSION ALLOWANCE 1/32"							
8. TANK SEPARATED FROM STAND FOR SHIPMENT.							
9. SUPERIOR BOILER, INC. RESERVES THE RIGHT TO FURNISH TRIM							
SHOWN OR AS DETAIL							
							
				SCALE 1/36 DRAWING NO. X			